## **CLAIMS**

## What is claimed is:

1. l A sonde for detecting at least one downhole condition, comprising: 2 a housing that defines at least one interior chamber for housing an electronic component; 3 a sensor operably associated with the housing for detection of at least one 4 borehole condition; 5 6 a side entry leak protector connector assembly retained within the housing and comprising: 7 a generally cylindrical metallic body; and 8 a conductive element that is glass-sealed within the body, the conductive 9 element being formed for interconnection to at least one conductive member 10 11 within the housing. 2. The sonde of claim 1 wherein the body of the side entry leak protector connector assembly includes a circumferential channel. 2 3. The sonde of claim 1 wherein the body of the side entry leak protector connector assembly further includes an axial passage through which additional wiring may be 2 disposed. 3

4. The sonde of claim 1 wherein the sensor is disposed upon a radial exterior of the 2 housing. 5. 1 The sonde of claim 1 wherein the sensor is disposed within the housing. 6. The sonde of claim 5 wherein the sensor is disposed upon the side entry leak 1 protector connector assembly. 2 7. The sonde of claim 1 wherein the housing defines a pair of interior chambers for housing electrical components and an axial passage interconnecting the interior 2 chambers. 3 8. The sonde of claim 7 wherein the axial passage is defined off-center from a 1 2 central axis of the sonde housing. 9. A sonde for detecting at least one downhole condition, comprising: 1 2 an outer housing; a sensor operably associated with the housing for detection of at least one . 3 borehole condition; 4 a side entry leak protector connector assembly retained within the housing and 5 comprising: 6 7 a generally cylindrical body with a pair of axial ends; a conductive element retained within the body; and 8

glass sealing encasing said conductive element within the body. 9 10. The sonde of claim 9 further comprising an electrical pin connector associated 2 with said conductive element, for electrically connecting the conductive element with an 3 external conductor. 11. The sonde of claim 9 further comprising a circumferential channel surrounding 1 the body for capturing fluid therewithin. 2 12. The sonde of claim 11 further comprising a pair of o-ring seals disposed upon 1 2 the body to preclude escape of fluid from the channel. 13. The sonde of claim 9 wherein the outer housing defines two interior chambers 1 for housing electronic components and an axial passage that interconnects the two 2 chambers and wherein the side entry leak protector connector assembly is retained 3 within the axial passage. 4 14. The sonde of claim 13 wherein the housing defines a lateral passage from the . 1 2 axial passage to an exterior radial surface of the housing. 15. The sonde of claim 11 wherein a sensor element is disposed within the channel. 1

- 1 16. The sonde of claim 13 wherein the axial passage is defined off-center from a central axis of the sonde housing.
- 1 17. A method of providing fluid sealing and electrical connections within a sonde comprising the steps of:
- providing a sonde housing that defines therein an interior chamber for retaining
  an electronic component and an axial passage therewithin;
- providing a lateral passage from the axial passage to a radially exterior surface

  of the sonde housing;
- associating a sensor component with the lateral passage; and
- 8 disposing a side entry leak protector connector assembly within the axial ·
- 9 passage to provide a fluid seal between the lateral passage and the axial passage.
- 1 18. The method of claim 17 further comprising the step of establishing an electrical
- 2 connection between the sensor component and the side entry leak protector connector
- 3 assembly.
- 1 19. The method of claim 18 further comprising the step of establishing an electrical
- 2 connection between the side entry leak protector connector assembly and an electronic
- 3 component housed within the interior chamber.

- 1 20. The method of claim 17 further comprising the step of providing a circumferential channel about the body of the side entry leak protector
- 3 connector assembly for capturing of fluid.